

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2000-301819

(43) Date of publication of application : 31.10.2000

(51)Int.Cl.

B41M 3/14

B41M 5/26

B41M 5/28

B41M 5/36

B42D 15/10

(21)Application number : 11-113579

(71)Applicant : **NAIGAI CARBON INK CO LTD**

(22)Date of filing : **21.04.1999**

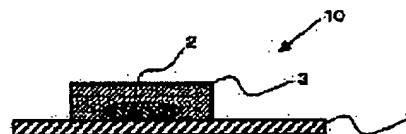
(72)Inventor : MATSUMOTO SHINICHI  
KITADA NOBUHIKO

#### (54) METHOD FOR PREVENTING FORGERY

(57)Abstract:

**PROBLEM TO BE SOLVED:** To improve a forgery preventive effect by covering an identification mark previously provided on an image molding medium with a layer containing a leuco dye, a color developing color material for color developing the dye and a developer and a heat achromatizing ink composition containing a guanidine compound having a specific melting temperature, and concealing the mark.

**SOLUTION:** An identification mark 2 previously provided on a support 1 of an image forming medium 10 such as an unregistered medium such as a gift certificate, a paper money, a ticket and a public lottery and an important document or the like including a bankbook, negotiable certificates and a passport is concealed with an irreversible heat achromatizing layer 3. The medium 10 is heated to achromatize a color of the layer 3 to visualize the mark 2, and a truth or a falsehood is decided. The used layer 3 is formed of a heat achromatizing ink composition containing (a) a color developing color material for color developing by a leuco dye and a developer, and (b) a guanidine compound having insolubility or scarce solubility in water and an organic solvent and a melting temperature of 50 to 200°C.



## LEGAL STATUS

[Date of request for examination] 05.07.1999

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number] 3073198

[Date of registration] 02.06.2000

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's  
decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office